

**Amendment**

**U.S. Patent Appln. No. 09/489,570**

*C1*  
*D1*

for each content object,  
storing as a file object within the data repository a list of content entity identifiers indicating the content entities within the content object, wherein the list is manipulable by a user to alter the content of the content object, and  
storing ones of the plurality of content entities within the data repository as a plurality of individually accessible file objects, wherein each file object contains one content entity.

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*C2*  
*D2*

11. (Twice Amended) A method for storing at least one hierarchically structured content object having a plurality of content entities in a data repository, comprising the steps of:

for each content object,  
storing as a file object within the data repository an outline of containers and content entity identifiers defining the content and hierarchy of the content object, wherein the outline is manipulable by a user to alter the content of the content object, and  
storing ones of the plurality of content entities within the data repository as a plurality of individually accessible file objects, wherein each file object contains one content entity.

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*C3*  
*D3*

23. (Twice Amended) A method for retrieving a content object from a data repository, the content object being stored within the data repository as a file object containing an ordered list of content entity identifiers indicating the content entities within the content object, comprising the steps of:

retrieving the file object containing the list of content entity identifiers, wherein each

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content entity is stored as an individually accessible file object within the data repository;

for each content entity identifier, retrieving the individually accessible file object corresponding to the identified content entity; and

inserting the content entity into the ordered list at the location of its content entity identifier, wherein the list is manipulable by a user to alter the content of the content object.

CB  
D3  
24. (Twice Amended) A method for constructing a content object, the contents of the content object being defined by an ordered list of content entity identifiers identifying one or more content entities each stored in a data repository as an individually accessible file object, comprising the steps of:

for each content entity identifier, retrieving the individually accessible file object corresponding to the identified content entity; and

inserting the content entity into the ordered list at the location of its content entity identifier, wherein the ordered list is manipulable by a user to alter the content of the content object.

CD  
D4  
26. (Twice Amended) A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method steps for storing at least one content object including a plurality of content entities in a data repository, the method steps comprising:

for each content object,

storing as a file object within the data repository a list of content entity identifiers indicating the content entities within the content object, wherein the list is manipulable by a user

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to alter the content of the content object, and

storing ones of the plurality of content entities within the data repository as a plurality of individually accessible file objects, wherein each file object contains one content entity.

36. (Twice Amended) A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method steps for storing at least one hierarchically structured content object including a plurality of content entities in a data repository, the method steps comprising:

for each content object,

storing as a file object within the data repository an outline of containers and content entity identifiers defining the content and hierarchy of the content object, wherein the outline is manipulable by a user to alter the content of the content object, and

storing ones of the plurality of content entities within the data repository as a plurality of individually accessible file objects, wherein each file object contains one content entity.

48. (Twice Amended) A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method steps for retrieving a content object from a data repository, the content object being stored within the data repository as a file object containing an ordered list of content entity identifiers indicating the content entities within the content object, the method steps comprising:

retrieving the file object containing the list of content entity identifiers, wherein each

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content entity is stored as an individually accessible file object within the data repository;

for each content entity identifier, retrieving the individually accessible file object corresponding to the identified content entity; and

inserting the content entity into the ordered list at the location of its content entity identifier, wherein the list is manipulable by a user to alter the content of the content object.

49. (Twice Amended) A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method steps for constructing a content object, the contents of the content object being defined by an ordered list of content entity identifiers identifying one or more content entities each stored in a data repository as an individually accessible file object, the method steps comprising:

for each content entity identifier, retrieving the individually accessible file object corresponding to the identified content entity; and

inserting the content entity into the ordered list at the location of its content entity identifier, wherein the ordered list is manipulable by a user to alter the content of the content object.

51. (Twice Amended) A system for storing at least one content object including a plurality of content entities in a data repository, comprising:

means for storing, as a file object within the data repository, a list of content entity identifiers indicating the content entities within the content object, wherein the list is manipulable by a user to alter the content of the content object, and

means for storing ones of the plurality of content entities within the data repository as a

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plurality of individually accessible file objects, wherein each file object contains one content entity.

61. (Twice Amended) A system for storing at least one hierarchically structured content object including a plurality of content entities in a data repository, comprising:

means for storing an outline of containers and content entity identifiers for each content object, the outline being stored as a file object within the data repository and defining the content and hierarchy of the content object, wherein the outline is manipulable by a user to alter the content of the content object, and

means for storing ones of the plurality of content entities within the data repository as a plurality of individually accessible file objects, wherein each file object contains one content entity.

73. (Twice Amended) A system for retrieving a content object from a data repository, the content object being stored within the data repository as a file object containing an ordered list of content entity identifiers indicating the content entities within the content object, comprising:

means for retrieving the file object containing the list of content entity identifiers, wherein each content entity is stored as an individually accessible file object within the data repository;

means for retrieving the individually accessible file object corresponding to each content entity identifier; and

means for inserting the content entity into the ordered list at the location of its content entity identifier, wherein the list is manipulable by a user to alter the content of the content

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object.

74. (Twice Amended) A system for constructing a content object, the contents of the content object being defined by an ordered list of content entity identifiers identifying one or more content entities each stored in a data repository as an individually accessible file object, comprising:

means for retrieving the individually accessible file object corresponding to each content entity identifier; and

means for inserting the content entity into the ordered list at the location of its content entity identifier, wherein the ordered list is manipulable by a user to alter the content of the content object.--